

Our e-liquids were tested to the validated analytical procedures of internationally renowned e-cigarette expert Dr Konstantinos Farsalinos. The validated procedures employed by Dr Farsalinos and his team ensure the accuracy, precision and specificity of analytical data. This validation process ensures that the safety data generated by the analytical laboratory is of the highest standard, and can be reproduced by other independent analytical laboratories throughout the world. We relied on Dr Farsalinos's significant experience and authority of e-liquid testing and physiological risk to specify the chemicals that we should quantify and where necessary remove from our e-liquid formulations. The independence of the experts and laboratories was important to us, and we believe should be important to our customers. It would be very easy for us to state that our e-liquids were free of these chemicals from our own data, or from that of our suppliers. Having the data available from entirely independent and verified sources gives us much greater reassurance that we are doing the best for our customers.

The Totally Wicked e-liquids were tested by an analytical method called gas chromatography, utilizing a highly sensitive detection method called flame ionisation (FID). The SkyLab-Med team also used gas chromatography coupled to a mass spectrometer (GC-MS), enabling the team to maximize the sensitivity of their testing procedures. Sample preparation was performed to rigorously high standards, providing maximum sensitivity for the GC instrument. For validated analytical chemical testing, the lowest quantity of an analyte that can be distinguished from the absence of the analyte is called the limit of detection (LOD). The lowest amount of an analyte which can be quantitatively determined with suitable precision and accuracy is known as the limit of quantification (LOQ). In simple terms the LOQ is the most precise measurement that can be made by an instrument, and the LOD is the level below which a qualified expert can state that the chemical is of no concern. Dr Farsalinos established a suitable LOD as 10 µg per ml for flavour concentrates which are diluted before use, and as 0.5-1 µg per ml for ready to use liquids. The Totally Wicked e-liquid range was tested for three chemicals of concern, as defined by our independent expert, Dr Farsalinos, namely: diacetyl, acetyl propionyl and acetoin.

The test results for our UK base range of concentrates are as detailed in Table 1 below:

Name	Skylab-Med Code	Diacetyl % (µg/ml)	Acetyl Propionyl % (µg/ml)	Acetoin % (µg/ml)
Strawberry Shortcake	125901	<LOQ	<LOQ	<LOQ
Woodapple	125902	<LOQ	<LOQ	<LOQ
Vanilla	125903	<LOQ	<LOQ	<LOQ
Salemint	125904	<LOQ	<LOQ	<LOQ
Singapore Sling	125905	<LOQ	<LOQ	<LOQ
Pina Colada	125906	<LOQ	<LOQ	<LOQ
Pineapple	125907	<LOQ	<LOQ	<LOQ
Sex on the Beach	125908	<LOQ	<LOQ	<LOQ
Purple Violets	125909	<LOQ	<LOQ	<LOQ
Sarsaparilla	125910	<LOQ	<LOQ	<LOQ
American Red Tobacco	125911	<LOQ	<LOQ	<LOQ
Aniseed	125912	<LOQ	<LOQ	<LOQ
Banana	125913	<LOQ	<LOQ	<LOQ
Black Magic	125915	<LOQ	<LOQ	<LOQ
Blackberry	125916	<LOQ	<LOQ	<LOQ
Blackcurrant	125917	<LOQ	<LOQ	<LOQ
Absinthe	125919	<LOQ	<LOQ	<LOQ
Blue Hawai	125920	<LOQ	<LOQ	<LOQ
Passion Fruit	125921	<LOQ	<LOQ	<LOQ
Peach Schnapps	125922	<LOQ	<LOQ	<LOQ
Marshmallow	125923	<LOQ	<LOQ	<LOQ
Marmalade	125924	<LOQ	<LOQ	<LOQ
Mango	125925	<LOQ	<LOQ	<LOQ
Mexican Kiss	125926	<LOQ	<LOQ	<LOQ
Pear Drops	125927	<LOQ	<LOQ	<LOQ
Red Apple	125928	<LOQ	<LOQ	<LOQ
Menthol	125929	<LOQ	<LOQ	<LOQ
Double Menthol	125930	<LOQ	<LOQ	<LOQ
Statex	125931	<LOQ	<LOQ	<LOQ
Rich Pipe	125932	<LOQ	<LOQ	<LOQ
Mixed Fruit	125933	<LOQ	<LOQ	<LOQ
Tobacco Menthol	125934	<LOQ	<LOQ	<LOQ
Watermelon	125935	<LOQ	<LOQ	<LOQ
Root Beer	125937	<LOQ	<LOQ	<LOQ
Tutti Frutti	125938	<LOQ	<LOQ	<LOQ
Tobaniseed	125939	<LOQ	<LOQ	<LOQ
Tropical Tobacco	125940	<LOQ	<LOQ	<LOQ
Classic Tobacco	125941	<LOQ	<LOQ	<LOQ
Gooseberry	125942	<LOQ	<LOQ	<LOQ
Cherry Cascade	125943	<LOQ	<LOQ	<LOQ
Cherry Cheroot	125944	<LOQ	<LOQ	<LOQ
Cherry Cola	125945	<LOQ	<LOQ	<LOQ
Grape	125946	<LOQ	<LOQ	<LOQ
Golden Tobacco	125947	<LOQ	<LOQ	<LOQ
Columbia Coffee	125948	<LOQ	<LOQ	<LOQ
Blueberry	125951	<LOQ	<LOQ	<LOQ
Cherry	125952	<LOQ	<LOQ	<LOQ
Cigar	125953	<LOQ	<LOQ	<LOQ
Chocolate	125954	<LOQ	<LOQ	<LOQ
Cherry Menthol	125955	<LOQ	<LOQ	<LOQ
Butterscotch	125956	<LOQ	<LOQ	<LOQ
Blushin Russian	125958	<LOQ	0.009 (90µg/ml)	<LOQ
Fruity Gum	125959	<LOQ	<LOQ	<LOQ
Honeydew Melon	125960	0.019 (190µg/ml)	<LOQ	3,3% (33000µg/ml)
Watermelon	125961	<LOQ	<LOQ	<LOQ
Ice menthol	125962	<LOQ	<LOQ	<LOQ
Iron brewed	125963	<LOQ	<LOQ	<LOQ
Kiwi	125964	<LOQ	<LOQ	<LOQ
Mandarin	125965	<LOQ	<LOQ	<LOQ
Green apple	125966	<LOQ	<LOQ	<LOQ
Liquorice	125967	<LOQ	<LOQ	<LOQ
Forest fruit	125968	<LOQ	<LOQ	<LOQ
Elderflower	125969	<LOQ	<LOQ	<LOQ
Hazelnut	125970	<LOQ	<LOQ	<LOQ
Strawberry	125971	<LOQ	<LOQ	<LOQ
Mint Humburg	125972	<LOQ	<LOQ	<LOQ
Punch	125973	<LOQ	<LOQ	<LOQ
Mocca	125974	<LOQ	<LOQ	<LOQ
Pecan pie	125975	<LOQ	<LOQ	<LOQ
Mild cigar	125976	<LOQ	<LOQ	<LOQ
Tobacco	125977	<LOQ	<LOQ	<LOQ
Rhubarb	125978	<LOQ	<LOQ	<LOQ
Raspberry	125979	<LOQ	<LOQ	<LOQ
Real Tabs	125980	<LOQ	<LOQ	<LOQ
Sherbet lemon	125981	<LOQ	<LOQ	<LOQ
Coconut	1410-1259/42	<LOQ	<LOQ	<LOQ
Buttermint	1501-1259/01	<LOQ	<LOQ	<LOQ
Star Fruit	1501-1259/02	<LOQ	<LOQ	<LOQ
Blackcurrant Menthol	1501-1259/03	<LOQ	<LOQ	<LOQ
Black Jak	1501-1259/04	<LOQ	<LOQ	<LOQ
Lemon & Lime	1501-1259/05	<LOQ	<LOQ	<LOQ